IHCAb™ CD44 mouse mAb (BGT147)

Cat #: B-IMW6842

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis..

Product Information

Applications/Dilution: IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500

Isotype/Source: Mouse, Monoclonal/IgG2b, Kappa

Specificity: The antibody can specifically recognize human CD44 protein. In western blotting of Hela cell lysate, the antibody can label a 81KDa band corresponding to CD44

Subcellular Location: Cell membrane ; Single-pass type I membrane protein . Cell projection, microvillus . Colocalizes with actin in membrane protrusions at wounding edges. Co-localizes with RDX, EZR and MSN in microvilli. Localizes to cholesterol-rich membrane-bound lipid raft domains

Expression: Isoform 10 (epithelial isoform) is expressed by cells of epithelium and highly expressed by carcinomas. Expression is repressed in neuroblastoma cells

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.108% sodium azide

Storage: Store at -15°C to -25°C

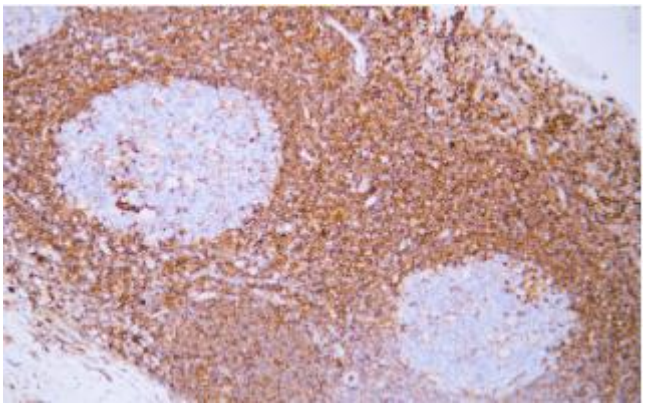

Fig. Human tonsil tissue was stained with Anti-CD44 Antibody

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.